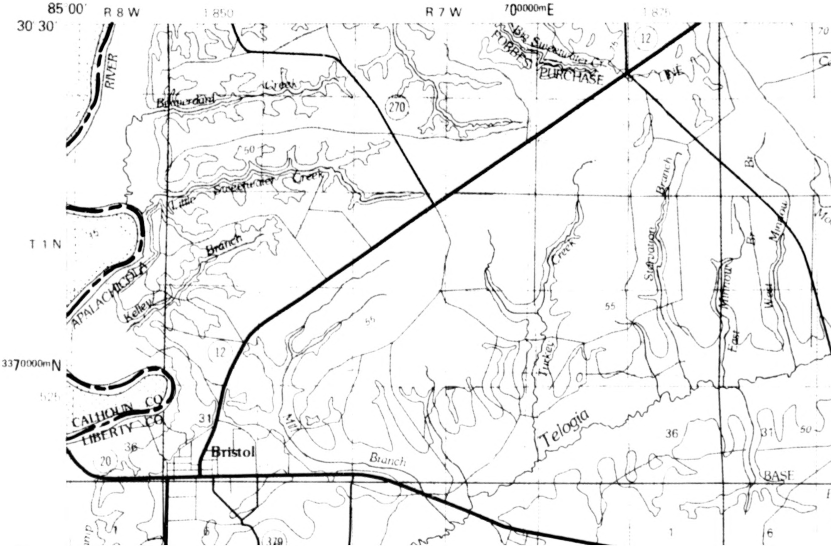
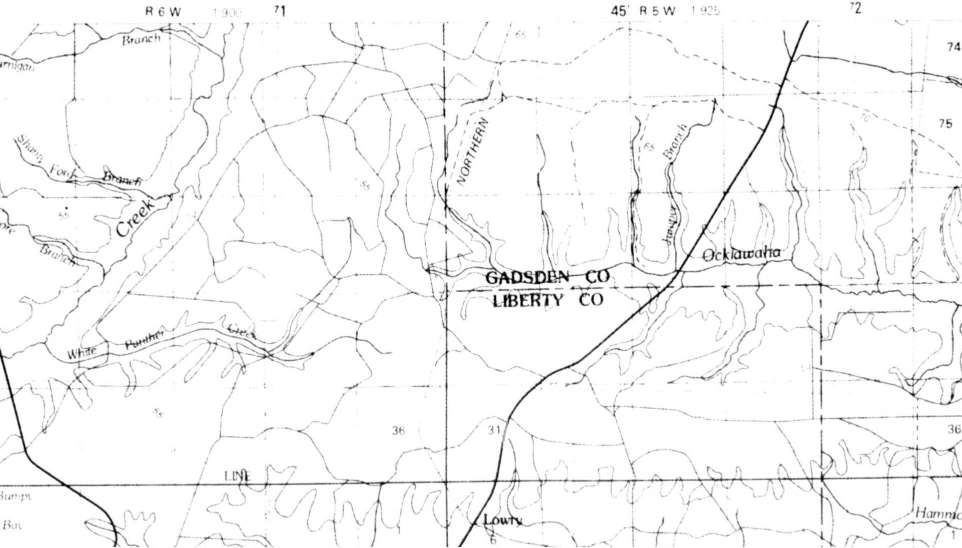
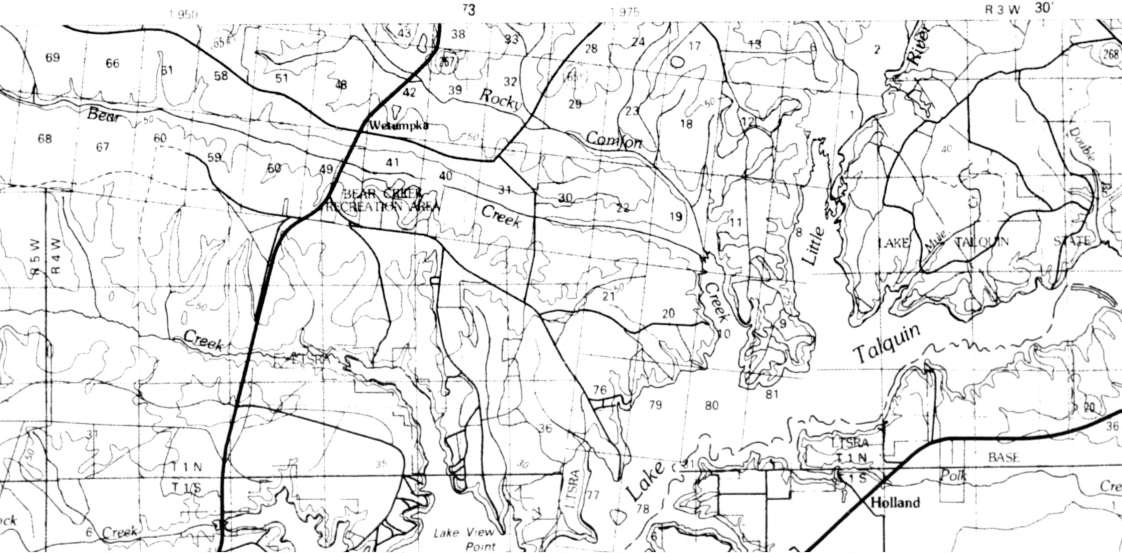
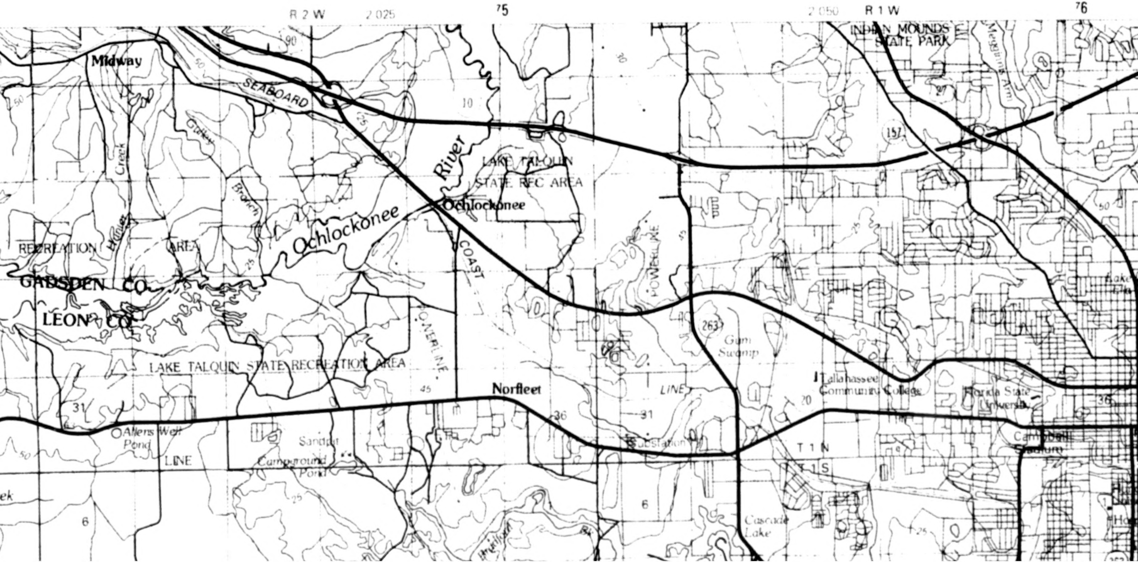
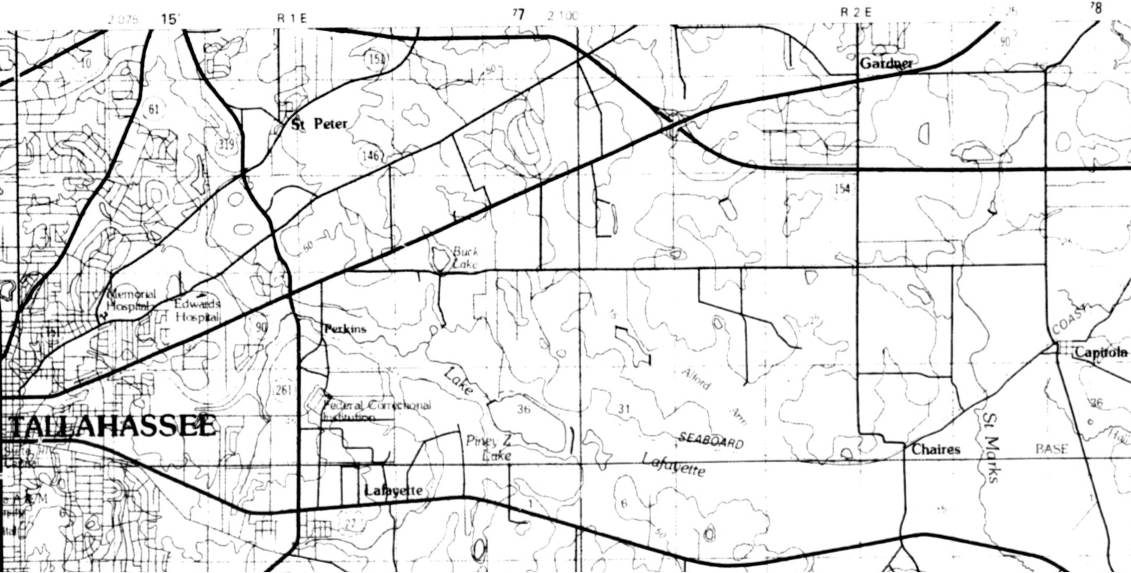

85 00'
30 30'
R 8 W
1 850
R 7 W
700000mE
1 825
T 1 N
3370000mN
RIVER
Big Sweetwater Cr
FORBES PURCHASE
LINE
Bimmerdaird Creek
270
12
50
Little Sweetwater Creek
Branch
APALACHICOLA
Kelley
Creek
Starvation Branch
Mill Br
Minnow Br
East
West
Turkey
Telogia
55
CALHOUN CO
LIBERTY CO
31
36
20
Bristol
Branch
BASE
379
1
6


R 6 W
1 900
71
45'
R 5 W
1 925
72
74
75
Branch
Shanty Ford Branch
Creek
55
Branch
White Panther Creek
NORTHERN
65
55
65
Jumper Branch
Ocklawaha
70
GADSDEN CO
LIBERTY CO
55
36
31
36
LINE
Lowry
1
6
1


1 950
73
1 975
R 3 W
30′
Wetumpka
Bear
Bear Creek
BEAR CREEK RECREATION AREA
Rocky
Comfort
Creek
Little River
Creek
LAKE TALQUIN STATE
Mule
Talquin
Lake
Double
267
268
R 5 W
R 4 W
T 1 N
T 1 S
LTSRA
BASE
Polk
Holland
Lake View Point
Creek
Cre


R 2 W
2 025
75
2 050
R 1 W
76
INDIAN MOUNDS STATE PARK
Midway
SEABOARD
Creek
River
LAKE TALQUIN STATE REC AREA
Ochlockonee
Ochlockonee
COAST
RECREATION AREA
GADSDEN CO
LEON CO
POWERLINE
263
Gum Swamp
LAKE TALQUIN STATE RECREATION AREA
Norfleet
Tallahassee Community College
Florida State University
LINE
36
31
Allens Wet Pond
LINE
Sandpit
Campground Pond
Substation
T 1 N
T 1 S
Campbell Stadium
Cascade Lake
157
27
6
6


2 075
15'
R 1 E
77
2 100
R 2 E
2 125
78
10
90
151
Gardner
61
319
St Peter
146
154
50
Buck Lake
Memorial Hospital
Edwards Hospital
151
90
Perkins
25
COAST
Capitola
261
Federal Correctional Institution
Lake
36
31
Alford Arm
TALLAHASSEE
Piney Z Lake
SEABOARD
Lafayette
Chaires
St Marks
BASE
Lafayette
27
6
1
15

AUG 13 '85

I 49.89: 82/47-1/map A9

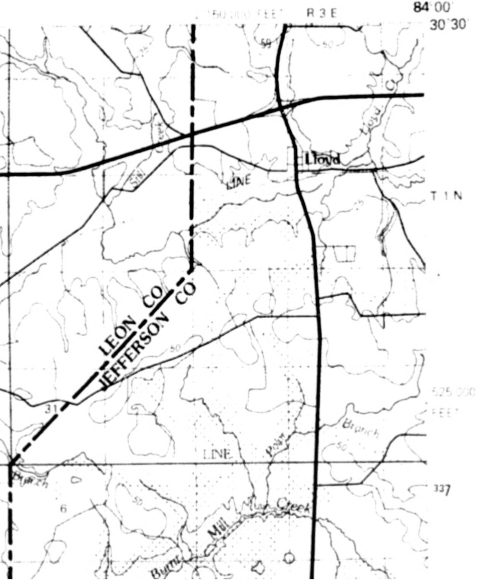
MMS 85-0011
FWS/OBS-82/47.1

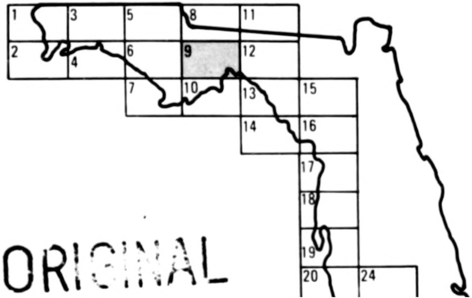
MAP A9

Tallahassee

FLORIDA ECOLOGICAL ATLAS

BIOLOGICAL RESOURCES


2 550 000 FEET
R 3 E
84°00'
30°30'
Lloyd
LINE
T 1 N
LEON CO
JEFFERSON CO
31
525 000 FEET
Branch
LINE
337
Mill Creek
6


1
3
5
8
11
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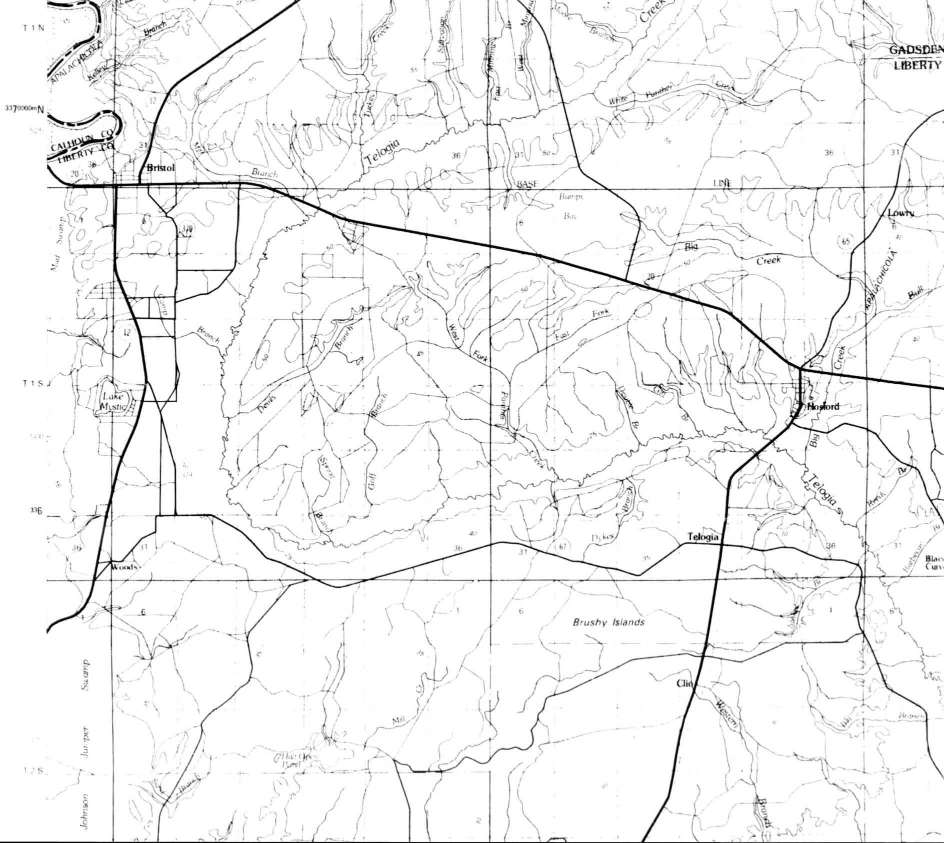
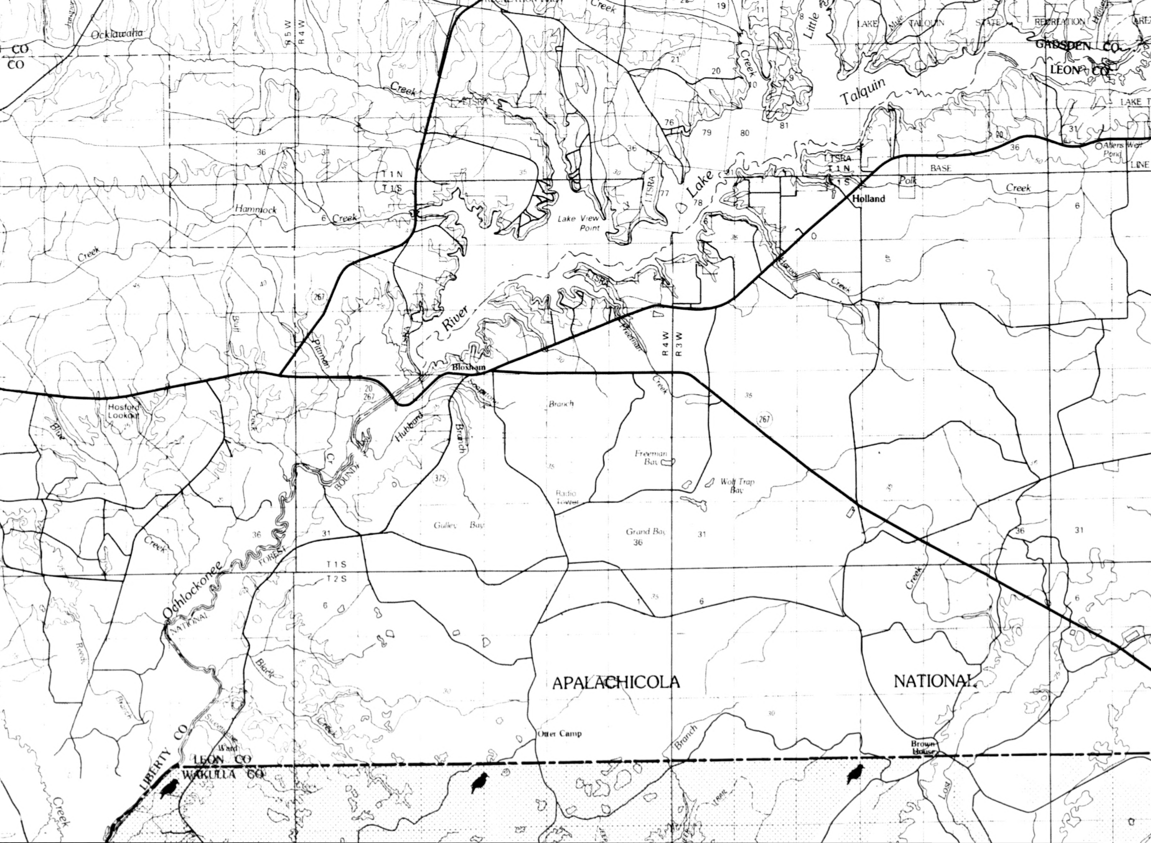
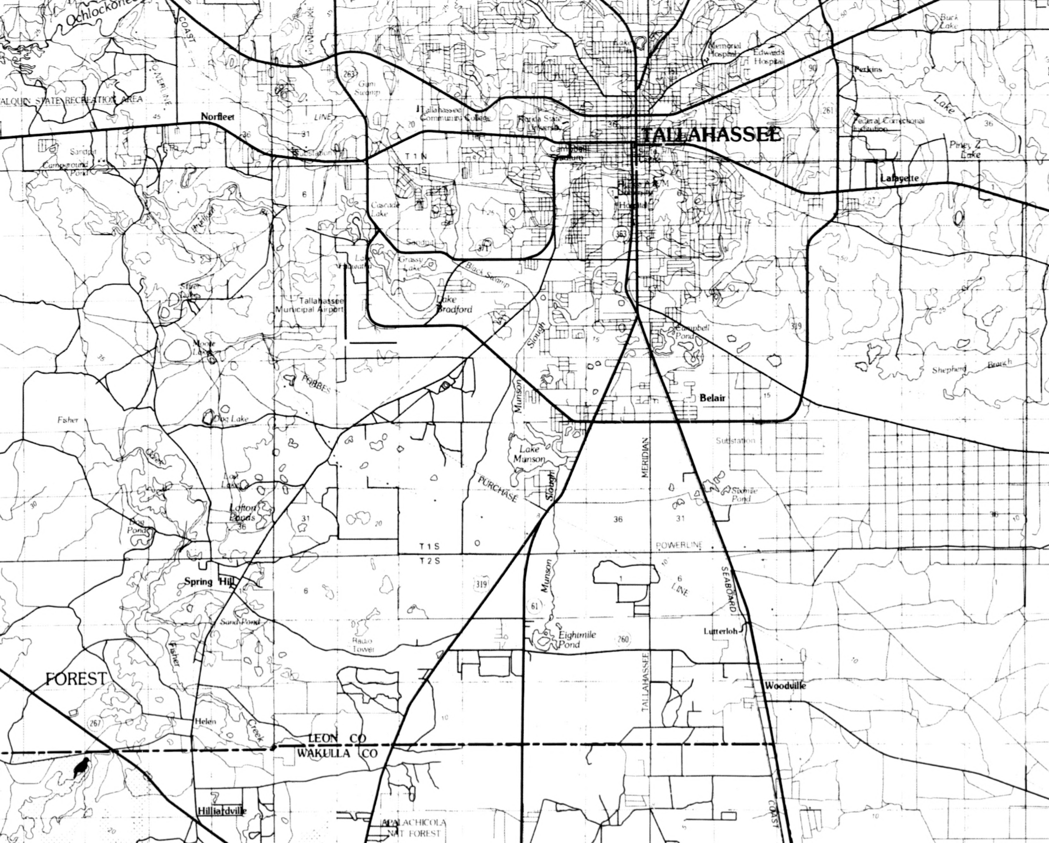
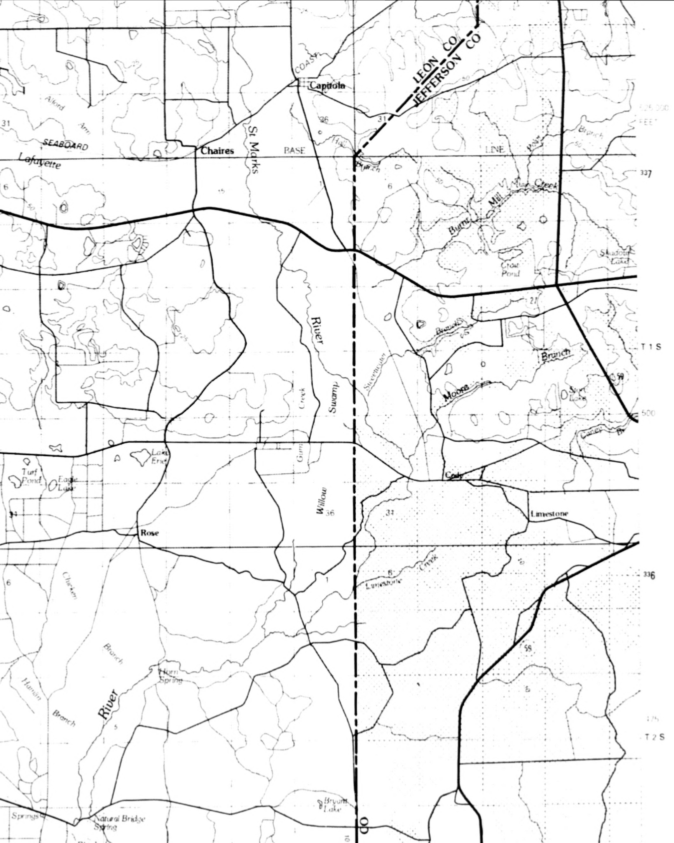
12
7
10
13
15
14
16
17
18
19
20
24

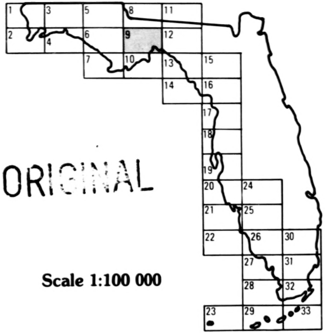
ORIGINAL


T1N
3370000mN
T1S
336
T2S
GADSDEN
LIBERTY
CALHOUN CO
LIBERTY CO
APALACHICOLA
Kelley
Branch
Bristol
Mill
Branch
Telogia
Turkey Creek
Starvation
Mimbough Br
East
West
Moore Branch
Creek
White Panther Creek
BASE LINE
Bumpus Bay
Lowry
Big Creek
APALACHICOLA
Bull
Mud Swamp
Lake Mystic
Camp
Branch
Devils
Branch
West Fork
East Fork
Panther
Dutch Br
Gin Br
Hosford
Big
Telogia
Creek
Spring
Golf
Branch
Branch
Dykes
Telogia
Woods
Black Curve
Barbecue
Brushy Islands
Clio
Western
Mill
Half Open Pond
Swamp
Juniper
Johnson
Branch
Branch
20
12
31
36
379
65
67
1
6
50
55
40
35
25
30


Ocklawaha
CO
CO
R 5 W
R 4 W
Creek
LTSRA
LAKE TALQUIN STATE RECREATION AREA
GADSDEN CO
LEON CO
Little
Creek
Talquin
Lake
LAKE T
Allens Wolf Pond
BASE LINE
T 1 N
T 1 S
Holland
Polk Creek
Hammock
Creek
Lake View Point
River
Creek
Bluff
Pittman
LTSRA
Bloxham
Freeman Creek
R 4 W
R 3 W
20
267
267
375
Hosford Lookout
Blue Creek
Creek
Hubbard
Branch
Branch
Creek
Cr
BOUNDARY
Freeman Bay
Wolf Trap Bay
Radio Tower
Gulley Bay
Grand Bay
36
31
T 1 S
T 2 S
Creek
Creek
Ochlockonee
NATIONAL
FOREST
Black Creek
Branch
APALACHICOLA
NATIONAL
Otter Camp
Branch
Brown House
Ward
LIBERTY CO
LEON CO
WAKULLA CO
Lost
Creek


Ochlockonee
COAST
POWERLINE
ALQUIN STATE RECREATION AREA
Norfleet
Sandpit
Campground
Pond
263
Gum
Swamp
LINE
31
Substation
Tallahassee
Community College
20
Florida State
University
Lake
Ella
Memorial
Hospital
Edwards
Hospital
90
Perkins
261
Federal Correctional
Institution
Lake
36
Buck
Lake
TALLAHASSEE
Campbell
Stadium
Florida A&M
University
Hospital
Piney Z
Lake
Lafayette
27
1
T1N
T1S
6
Cascade
Lake
Sandpit
371
363
Lake
Hiawatha
Grassy
Lake
Black Swamp
Lake
Bradford
Tallahassee
Municipal Airport
Slough
Campbell
Pond
319
50
25
Shepherd
Branch
Silver
Lake
Moore
Lake
35
FORBES
Fisher
Dog Lake
Creek
Belair
15
Munson
Lake
Munson
Substation
MERIDIAN
Lost
Lake
Lofton
Ponds
36
Dog
Pond
30
31
20
PURCHASE
Slough
Sixmile
Pond
36
31
10
T1S
T2S
POWERLINE
Spring Hill
319
Munson
6
LINE
SEABOARD
1
61
Sand Pond
Radio
Tower
Eightmile
Pond
260
Lutterloh
TALLAHASSEE
Fisher
FOREST
Woodville
267
Helen
Creek
10
LEON CO
WAKULLA CO
Hilliardville
APALACHICOLA
NAT FOREST
COAST
20
10


LEON CO
JEFFERSON CO
Capitola
Chaires
SEABOARD
COAST
Lafayette
St Marks
BASE
LINE
Alford Arm
Burnt Mill Creek
Crow Pond
Shadow Lake
Branch
Moore
River
Swamp
Creek
Sweetwater
Lake Erie
Turf Pond
Eagle Lake
Cody
Willow
Limestone
Rose
Limestone Creek
Chicken Branch
Horn Spring
Branch
Hamlin Branch
River
Bryant Lake
Natural Bridge Spring
Springs
T 1 S
T 2 S
337
336
625 000 FEET
500


1
2
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15
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18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33

ORIGINAL

Scale 1:100 000

TOPICAL MAPS IN THIS ATLAS:

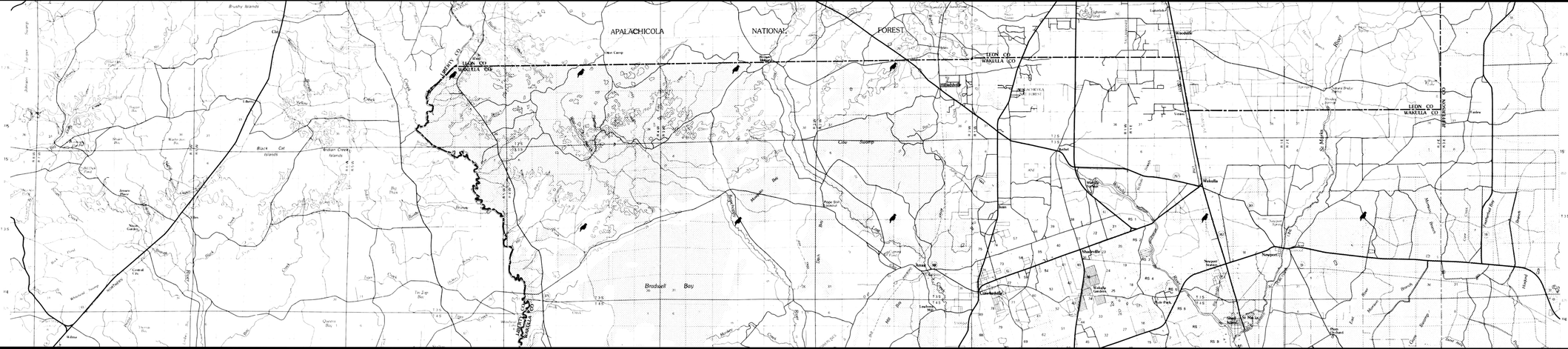
A. BIOLOGICAL RESOURCES
B. SOCIOECONOMIC FEATURES
C. SOILS AND LANDFORMS
D. OIL, GAS AND MINERALS
E. HYDROLOGY AND CLIMATOLOGY

1984

Produced by U.S. Fish and Wildlife Service
and Minerals Management Service

Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

Overlay material compiled in 1983 from latest available data obtained from



1984

Produced by U.S. Fish and Wildlife Service and Minerals Management Service

Projection and 10,000 meter grid, zone 17: Universal Transverse Mercator
25,000-foot grid ticks based on Florida coordinate system, west zone

Overlay material compiled in 1983 from latest available data obtained from Federal, State and Local government agencies and other sources.

MAJOR HABITATS

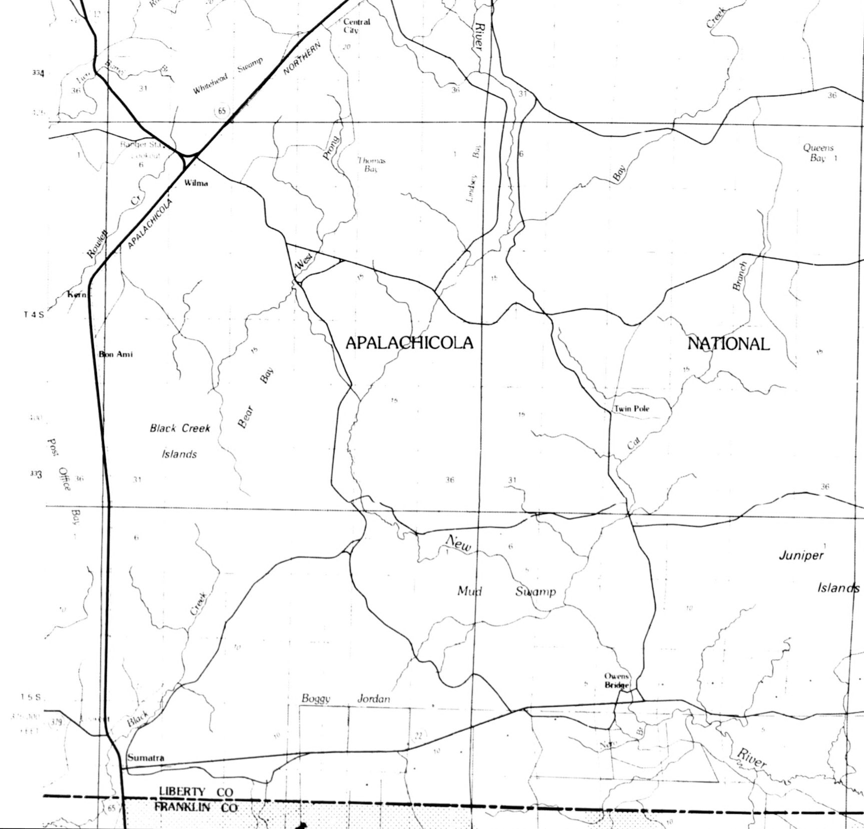
- Estuarine (saltwater) Tidal Marsh
- Estuarine Scrub/Shrub (Mangrove)
- Palustrine (freshwater) Marsh
- Palustrine Forest
- Seagrass Bed

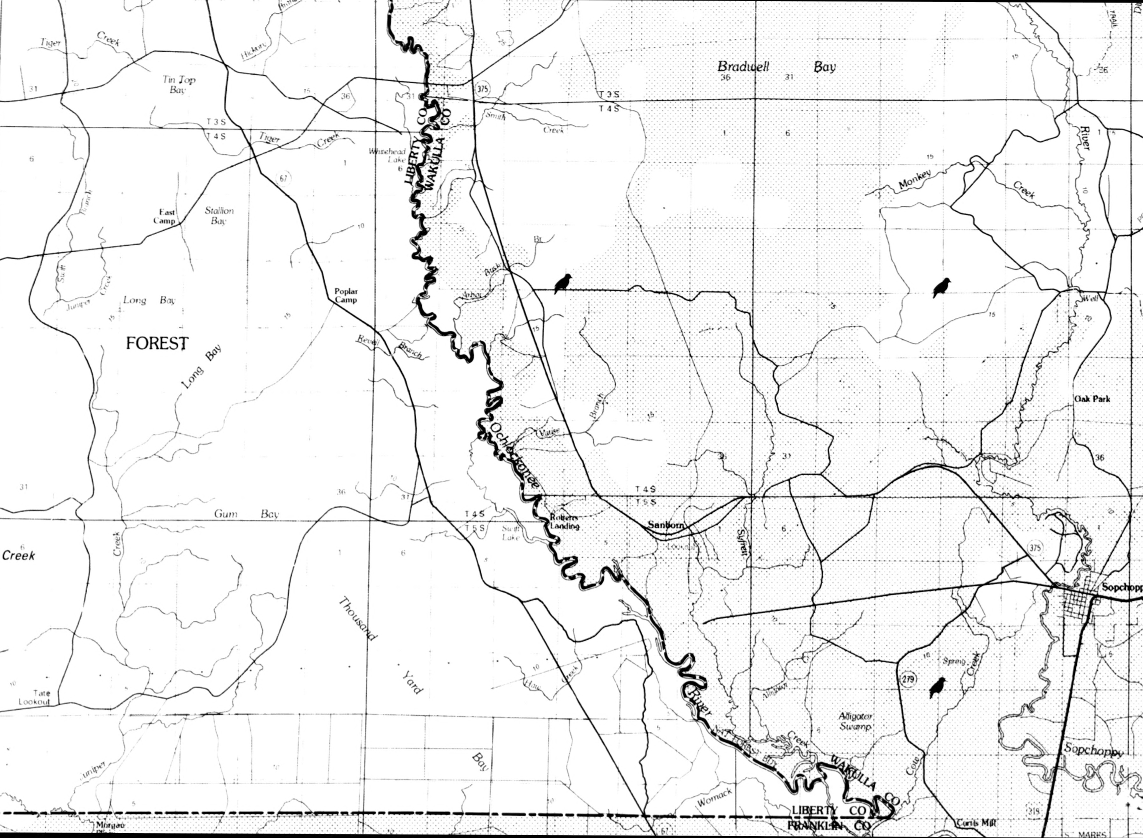
ARTIFICIAL REEF
(Permitted by Florida Dept. of Environmental Regulation)
Numbers next to reefs refer to composition data in narrative. Reef shapes vary on map.

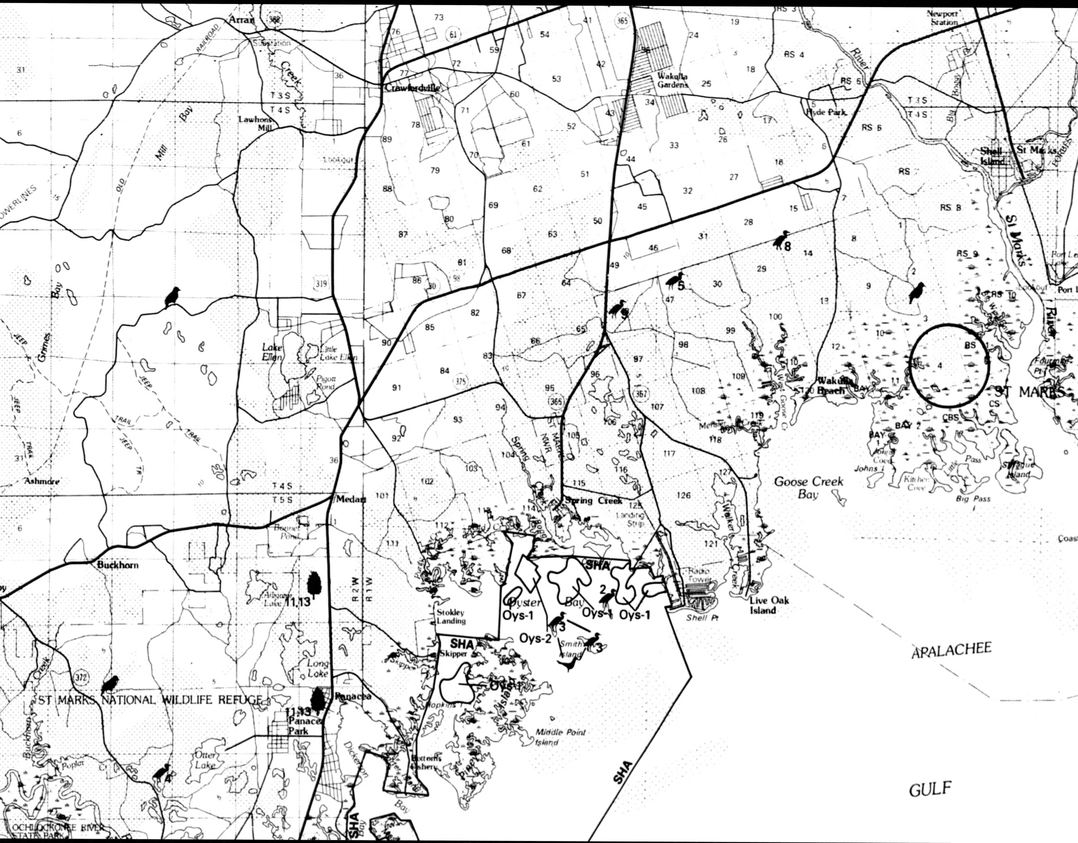
SHELLFISH HARVEST AREA
(Florida Dept. of Natural Resources)

- SHA — Shellfish Harvest Approved
- SHCA — Shellfish Harvest Conditionally Approved

NOTE: Due to Dept. of Natural Resources (DNR) water quality


Central City
NORTHERN
APALACHICOLA
Whitehead Swamp
65
Barber Sta.
Lookout
Wilma
Rowlett Cr
Kern
T 4 S
Bon Ami
Prong
Thomas Bay
Lindsey Bay
River
Creek
Bay
Queens Bay
West
APALACHICOLA
NATIONAL
Branch
Bear Bay
Black Creek Islands
Post Office Bay
Twin Pole
Cat
New
Mud Swamp
Juniper Islands
Creek
Owens Bridge
Boggy
Jordan
T 5 S
379
Black
Sumatra
22
New
Br
River
LIBERTY CO
FRANKLIN CO
65
334
333
36
31
6
1
15
10
20


Tiger Creek
Hickory
Tin Top Bay
31
70
15
36
31
375
Bradwell Bay
36
31
T 3 S
T 4 S
26
Smith Creek
T 3 S
T 4 S
Tiger Creek
LIBERTY CO
WAKULLA CO
Whitehead Lake
6
1
6
1
6
River
6
67
Monkey Creek
15
10
East Camp
Stallion Bay
10
Br
Bush
Swift
Juniper Creek
Long Bay
Poplar Camp
15
15
15
15
Well
70
FOREST
Long Bay
Revell Branch
Branch
15
Oak Park
Ochlockonee
Vause
36
31
36
31
36
10
31
T 4 S
T 5 S
Gum Bay
T 4 S
T 5 S
Roberts Landing
Sanborn
Swift Lake
Syfrett
6
1
375
Creek
Creek
6
1
6
Sopchoppy
Thousand Yard Bay
10
Hate Creek
10
Spring Creek
279
Alligator
Alligator Swamp
River
Tate Lookout
10
Juniper
Bay
NAT FOREST BDY
Creek
WAKULLA CO
Cow
Sopchoppy
Womack
LIBERTY CO
FRANKLIN CO
319
Morgan
67
Curtis Mill
MARKS



Arran
368
Substation
Creek
Crawfordville
61
365
Newport Station
Wakulla Gardens
RS 3
RS 4
RS 5
RS 6
RS 8
RS 9
RS 10
RS
River
Hyde Park
T 3 S
T 4 S
T 5 S
Lawhons Mill
Mill
Bay
OLD
RAILROAD
POWERLINES
Lookout
Shell Island
St Marks
St Marks
River
Port Leon
Port L
Lookout
Big Boggy
319
375
365
367
372
Lake Ellen
Little Lake Ellen
Pigott Pond
Grimes
Bay
JEEP
JEEP TRAIL
TRAIL
JEEP TR
Ashmore
Medart
Bonnet Pond
Buckhorn
Albany Lake
11,13
Long Lake
Panacea
Panacea Park
11,13
Otter Lake
Poplar
Buckhorn Creek
Creek
ST MARKS NATIONAL WILDLIFE REFUGE
OCHLOCKONEE RIVER STATE PARK
R 2 W
R 1 W
Spring Creek
Spring Creek
NWR
Landing Strip
SHA
SHA
SHA
SHA
Oyster Bay
Oys-1
Oys-1
Oys-1
Oys-2
Oys-1
Smith Island
Stokley Landing
Skipper
Hopkins
Island
Middle Point Island
Bottoms Fishery
Dickerson Bay
Radio Tower
Shell Pt
Live Oak Island
Walker Creek
Goose Creek Bay
West Goose Cr
Wakulla Beach
Meisler Creek
BAY
BAY 1
BAY 2
BS
CS
CBS
ST MARKS
Johns Cove
Johns I
Kitchen Cove
Little Pass
Big Pass
Sprague Island
Fourmile Pt
APALACHEE
GULF
Coast
1
2
3
4
5
8
10
31
6
36
73
76
77
72
59
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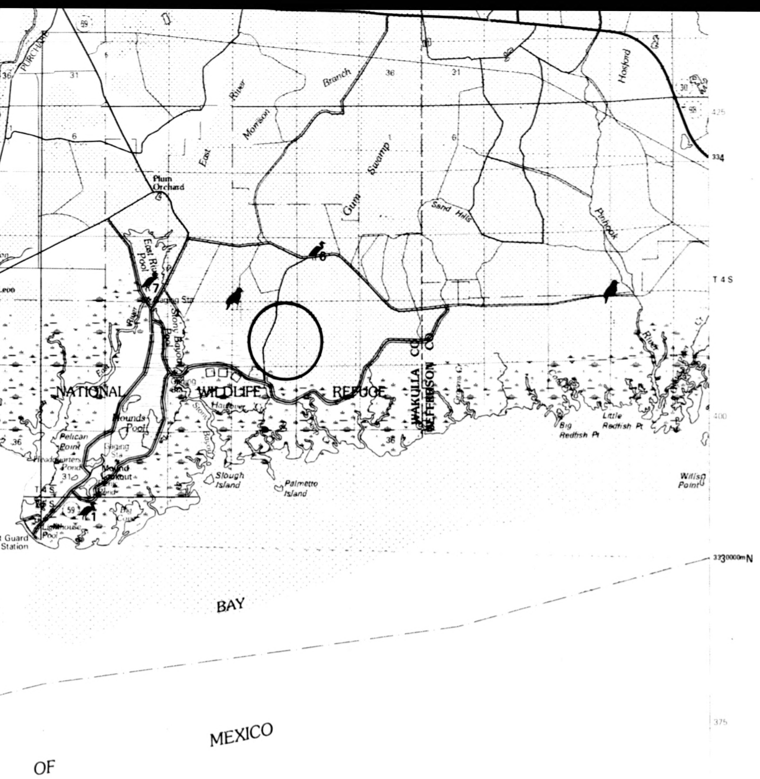
7


PURCHASE
59
36
31
6
East
River
Morrison
Branch
36
31
6
Gum
Swamp
Hosford
Plum Orchard
Sand Hills
Pinhook
East River Pool
7
6
Stony Bayou Pool
Leon
NATIONAL
WILDLIFE
REFUGE
WAKULLA CO
JEFFERSON CO
Mounds Pool
Pelican Point
Headquarters Pond
31
Mound Lookout
Lighthouse Pool
Coast Guard Station
59
1
Slough Island
Palmetto Island
Big Redfish Pt
Little Redfish Pt
36
River
Willis Point
425
334
T 4 S
400
375
3330000mN
BAY
MEXICO
OF

Seagrass Bed

■ **ARTIFICIAL REEF**
(Permitted by Florida Dept. of Environmental Regulation)
Numbers next to reefs refer to composition data in narrative. Reef shapes vary on map.

SHELLFISH HARVEST AREA
(Florida Dept. of Natural Resources)

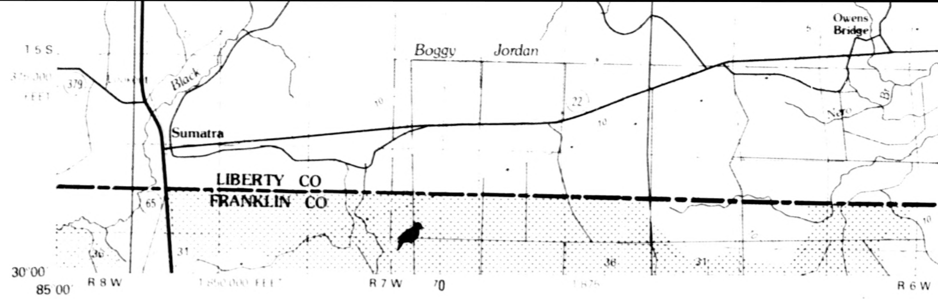
SHA	Shellfish Harvest Approved
SHCA	Shellfish Harvest Conditionally Approved

NOTE: Due to Dept. of Natural Resources (DNR) water quality standards all other estuarine areas are prohibited or unclassified as to shellfish harvest status and are officially unapproved. For further info. on status of harvest areas contact DNR - Shellfish Environmental Assessment Section.

Oys-1	Public Oyster Bed
Oys-2	Private Oyster Bed (Lease)
	Scallop Bed

FINFISH SPAWNING, NURSERY AND HARVEST AREAS
(Recreational Hook and Line Fishing)

SPECIES #	FINFISH CATEGORY Common Name	SPAWNING LOCATION[1]	SEASON J		M		M		J		S		N		NURSERY AREA[1]	MAJOR NURSERY HABITATS Seagrass	Mangrove	Saltmarsh	Beach	Coral Reef	Artificial Reef	Open Water	AREA OF ADULT ABUNDANCE[1]	MAJOR ADULT HABITATS Seagrass	Mangrove	Beach	Coral Reef	Artificial Reef	Open Water	MIGRATION TYPE[2]
	ESTUARINE DEPENDENT FISHES																													
1	Red Drum	C	■	■							■	■	■	■	E	●	●	●					E	●	●	●				2
2	Spotted Seatrout	E			■	■	■	■	■	■	■	■			E	●	●	●					E	●	●	●				2
3	Snook	C					■	■	■	■	■	■	■		E	●	●	●					E	●	●					2
4	Atlantic Croaker	CS	■	■	■						■	■	■	■	E	●	●	●	●				E	●	●	●				2
5	Southern Flounder	C									■	■	■	■	C-E	●		●	●				C-E	●		●				2
6	Florida Pompano	CS		■	■	■	■	■	■	■	■	■			C-E				●				C-E			●			●	3
7	Striped Mullet	CS	■	■								■	■	■	E	●	●	●					E	●	●	●				3
8	Gulf Menhaden	C	■	■	■								■	■	E	●	●	●	●				C-E	●		●			●	3
9	Scaled Sardine	C						■	■	■	■				E	●	●	●	●				C-E	●		●			●	3
	REEF FISHES																													
10	Red Grouper	CS		■	■	■	■								CS-C	●				●	●		CS				●	●		2
11	Jewfish	CS							■	■					CS-C	●				●	●		CS-C				●	●		2
12	Gag Grouper	CS	■	■	■	■								■	CS-C	●				●	●		CS-C				●	●		2
13	Scamp	CS		■	■										CS	●				●	●		CS				●	●		2
14	Red Snapper	CS							■	■	■	■			CS-C					●	●		CS-C				●	●		2
15	Mangrove Snapper	CS				■	■	■	■	■					C-E	●	●	●					C-E				●	●		2
	COASTAL PELAGIC FISHES																													


T 5 S
Boggy
Jordan
Owens
Bridge
Black
379
22
Sumatra
LIBERTY CO
FRANKLIN CO
65
30
31
36
31
30°00′
85°00′
R 8 W
1,850,000 FEET
R 7 W
70
R 6 W

THE FLORIDA ECOLOGICAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/OBS - 82/47) AND THE MINERALS MANAGEMENT SERVICE FOR COASTAL PLANNERS, DECISION MAKERS, AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS, AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. THE STUDY AREA INCLUDES THE COASTAL COUNTIES: ESCAMBIA, SANTA ROSA, OKALOOSA, WALTON, WASHINGTON, BAY, CALHOUN, GULF, FRANKLIN, WAKULLA, JEFFERSON, TAYLOR, DIXIE, LEVY, CITRUS AND HERNANDO, AND EXTENDS OFFSHORE APPROXIMATELY 10 MILES. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL, STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATIO

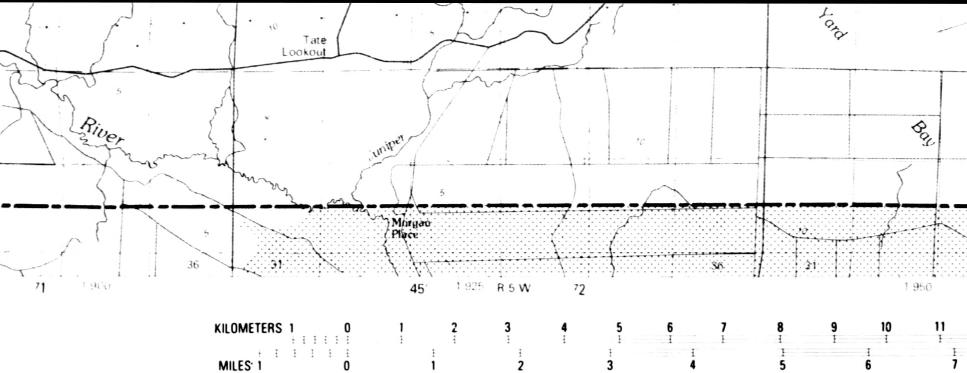
MAJOR HABITATS: National Wetlands Inventory Maps, 1:250,000 Scale. U.S. Fish and Wildlife Service, 1981-82

SEAGRASS BEDS: Personal Communication, Dr. John L. Tay
Taylor Biological Co., Inc., Lynn Haven, Fla. 1983
National Wetlands Inventory Maps, 1:250,000 Scale, U.S.
and Wildlife Service, 1981-82
Marine Grass Beds Inventory, North Florida Coast, U.S.
Fish and Wildlife Service, 1981
Color Aerial Photography (NASA), 1:65,000 Scale, located
U.S.F.W.S. Ecological Services Division, Panama City, Fla

ARTIFICIAL REEFS: Computer Printout of Florida Artificial Reefs. U.S. Army Corps of Engineers, 1981
Recreational Use Reefs in Florida Artificial and Natural, Florida Sea Grant Program, 1979

SHELLFISH HARVEST AREAS: Shellfish Harvest Area Maps
Dept of Natural Resources, 1982

PUBLIC & PRIVATE OYSTER BEDS: Cooperative Gulf of Me
Estuarine Inventory and Study, Florida, McNulty, Lindall and Sykes, 1972


Tate Lookout
Yard
River
Juniper
Bay
Morgan Place
5
10
36
31
71
1 900
45'
1 925
R 5 W
72
1 950
KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11
MILES 1 0 1 2 3 4 5 6 7

N:

ylor,

Fish

at

1980

xico

SCALLOP BEDS: Personal Communication, Mr. Bill Lyons, Dept. of Natural Resources, Marine Research Laboratory, 1982

FINFISH SPAWNING, NURSERY & HARVEST AREAS: Florida's Fishing Grounds, Moe, 1970

SENSITIVE PLANT SPECIES: Computer Printout of Species Data, Florida Natural Areas Inventory, 1983
Personal Communication, Maps and Data, Mr. Don Palmer, Endangered Species Program, U.S. Fish and Wildlife Service, 1982

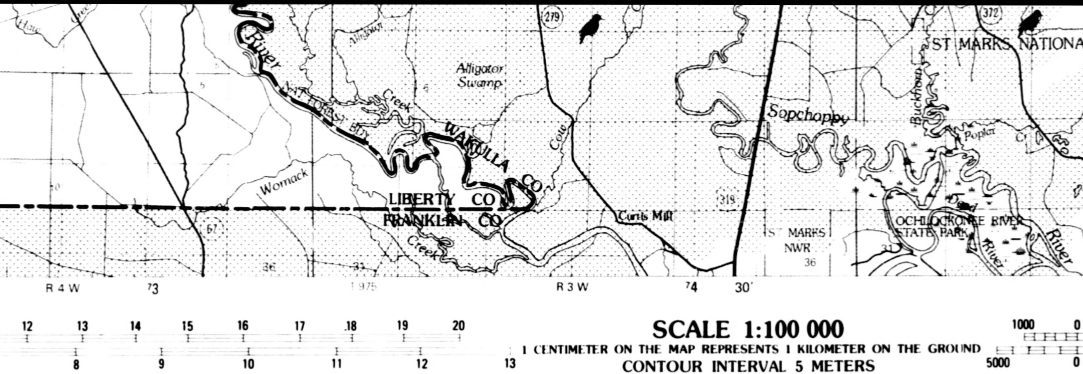
BIRD NESTING SITES: Florida Atlas of Breeding Sites for Herons and Their Allies 1976-78, Nesbitt, S.A., Ogden, J.C., Kale II, H.W., et al., U.S. Fish and Wildlife Service, 1982
Personal Communication, Maps and Data, Dr. H.W. Kale II, Florida Audubon Society, 1982

THREATENED & ENDANGERED ANIMALS: Computer Printout of Species Data, Florida Natural Areas Inventory, 1983
Personal Communication, Mr. Don Wood, Fla. Game and Fresh Water Fish Commission, 1983

Summary of Marine Turtle Activity in Florida, Huff, A.J., Witham, P.R., Haag, J.L., et al., Dept. of Natural Resources, 1981 (Unpublished).
Status of Florida Nesting Brown Pelicans 1971-76, Nesbitt, S.A., Fogarty, M.J. and Williams, L.E., Fla. Game and Fresh Water Fish Commission, 1977

SENSITIVE HABITAT: Personal Communication, Maps and Data, Mr. Steve Nesbitt, Fla. Game and Fresh Water Fish Commission, 1983

FOR COMPLETE REFERENCES SEE MAP NARRATIVE


River
NAT FOREST BDY
Alligator
Alligator Swamp
Creek
WAKULLA CO
Cow
Womack
LIBERTY CO
FRANKLIN CO
Creek
Curtis Mill
Sopchoppy
Buckhorn
Poplar
ST MARKS NATIONA
ST MARKS NWR
OCHLOCKONEE RIVER STATE PARK
Dead
River
River
279
372
319
67
R 4 W
73
1975
R 3 W
74
30′
12
13
14
15
16
17
18
19
20
8
9
10
11
12
13
1000
0
5000
0

SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 5 METERS

SENSITIVE PLANT SPECIES

(U.S. Fish and Wildlife Service and Florida Natural Areas Inventory data)

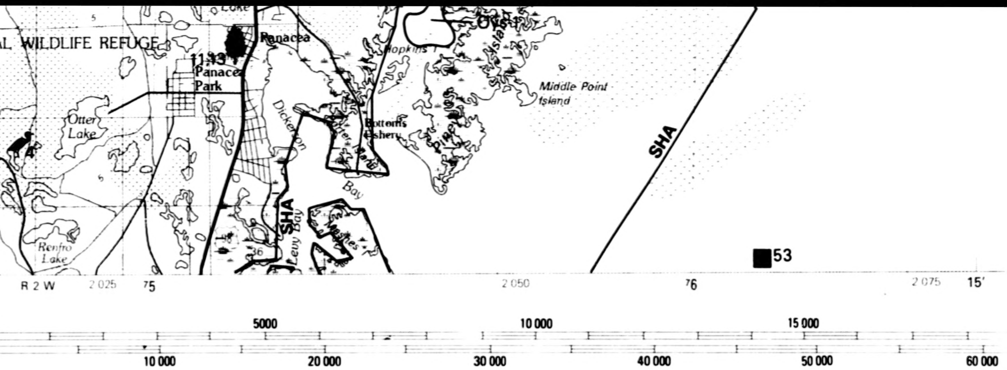
Number(s) appearing with symbol refers to species identification number in legend.

Species #	Common Name	Status [1]Federal	[2]State
1.	Southern three-awned grass	1	
2.	Plumose aster	1	
3.	Pine-wood aster	1	
4.	Scare weed	1	
5.	Cruise's golden aster	1	
6.	Tropical wax-weed	1	
7.	Telephus spurge	1	
8.	Wiregrass gentian	1	
9.	Harper's beauty	E	
10.	Mock pennyroyal	1	
11.	Bent golden aster	1	
12.	Smooth-barked St. John's wort	1	
13.	Godfrey's blazing star	1	
14.	Panhandle lily	1	
15.	West's flax	1	
16.	White birds-in-a-nest	1	
17.	Ashe's magnolia	1	e
18.	Godfrey's sandwort	1	
19.	Pigmy-pipes	1	
20.	Florida beargrass	1	
21.	Giant water-dropwort	1	
22.	Butterwort	1	
23.	Large-leaved jointweed	1	
24.	Chapman's rhododendron	E	e
25.	Miccosukee gooseberry	1	e
26.	Florida skullcap	1	
27.	Tampa vervain	1	

NOTE: These species are listed as category UR-1 by the U.S.F.W.S. and as such are considered candidates for listing as threatened or endangered.

[1] United States Fish and Wildlife Service: 1 - under status review. Category 1 (sufficient information available to support listing as Endangered or Threatened)

[2] Florida Dept. of Agriculture and Consumer Services (FDACS): e — endangered; t — threatened.


AL WILDLIFE REFUGE
Panacea
11,13
Panacea Park
Otter Lake
4
Renfro Lake
Dickerson
Bay
SHA
Levy Bay
Hopkins
Oyster Island
Middle Point Island
Bottoms Fishery
SHA
53
R 2 W
2 025
75
2 050
76
2 075
15′
5000
10 000
15 000
10 000
20 000
30 000
40 000
50 000
60 000

COLONIAL BIRD NESTING SITE

Number appearing with symbol indicates colony sites. Colony sites and species - composition data are included in the narrative.

Shorebird

Wading Bird

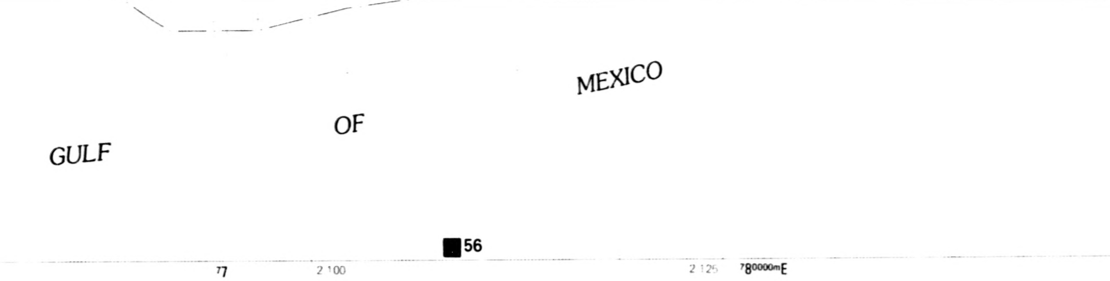
Brown Pelican

THREATENED AND ENDANGERED ANIMALS

Status: T — Federally Listed Threatened (U.S.F.W.S.)
E — Federally Listed Endangered (U.S.F.W.S.)
t — State Listed Threatened (F.G.F.W.F.C.)
e — State Listed Endangered (F.G.F.W.F.C.)

U.S.F.W.S. — U.S. Fish and Wildlife Service
F.G.F.W.F.C. — Florida Game and Fresh Water Fish Commission

West Indian Manatee (Mapped on site-specific basis)	E, e
Brown Pelican (Nesting Colony)	E, t


MEXICO
OF
GULF
56
77
2 100
2 125
780000mE

20 000 METERS

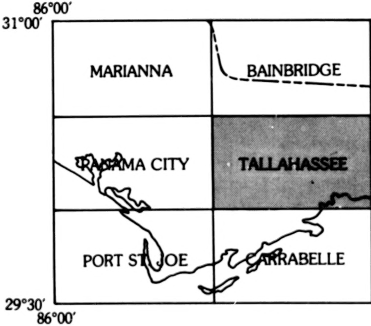
70 000 FEET

Red-Cockaded Woodpecker **(Mapped on township and range basis)**	**E, t**
Loggerhead Seaturtle **(Nesting Beach)**	**T, t**
Okaloosa Darter **(Mapped on site-specific basis)**	**E, e**

Other Threatened and Endangered species not mapped, but included in the narrative, are: Florida Panther, Marine Turtles, American Alligator and Eastern Indigo Snake.

○ **SENSITIVE HABITAT**

May not represent actual location of species at the time of map publication. For details refer to narrative.


86°00′
31°00′
MARIANNA
BAINBRIDGE
PANAMA CITY
TALLAHASSEE
PORT ST. JOE
CARRABELLE
29°30′
86°00′

375
30°00′
2 150
84°00′

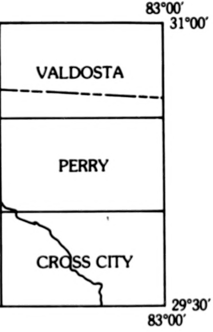
8	Gulf Menhaden	C	▬ ▬	E	●	●	●	●				C-E	●		●			●	3
9	Scaled Sardine	C	▬	E	●	●	●	●				C-E	●		●			●	3
REEF FISHES																			
10	Red Grouper	CS	▬	CS-C	●				●	●		CS				●	●		2
11	Jewfish	CS	▬	CS-C	●				●	●		CS-C				●	●		2
12	Gag Grouper	CS	▬ ▬	CS-C	●				●	●		CS-C				●	●		2
13	Scamp	CS	▬	CS	●				●	●		CS				●	●		2
14	Red Snapper	CS	▬	CS-C					●	●		CS-C				●	●		2
15	Mangrove Snapper	CS	▬	C-E	●	●	●					C-E				●	●		2
COASTAL PELAGIC FISHES																			
16	King Mackerel	OCS	▬	CS							●	CS-C				●	●	●	4
17	Spanish Mackerel	CS	▬	CS							●	CS-C				●	●	●	4

[1] KEY:

E — Estuarine
C — Coastal
CS — Continental Shelf
OCS — Outer Continental Shelf

[2] MIGRATION TYPE:

1 — Residentially Restricted
2 — Random Residential Range
3 — Restricted Migration
4 — Extensive Migration


83°00′
31°00′
VALDOSTA
PERRY
CROSS CITY
29°30′
83°00′

STUDY AREA BOUNDARY

▪▪▪▪▪▪▪▪▪▪ Offshore

— — — Inland (County)

— — — — Inland (State)

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